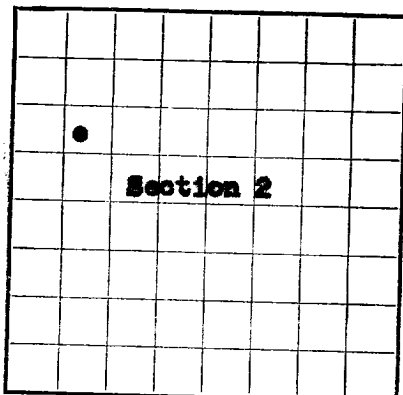




Section 2

LOCATE WELL CORRECTLY



UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

U. S. LAND OFFICE **Jicarilla Apache**
Tribe of Indians
SERIAL NUMBER **Contract #145**
LEASE OR PERMIT TO PROSPECT

LOG OF OIL OR GAS WELL

Company **Southern Union Gas Company** Address **1901 Burt Bldg., Dallas, Texas**
Lessor or Tract **Jicarilla** Field **So. Blanco P.C.** State **New Mexico**
Well No. **4-K** Sec. **2** T. **25N** R. **7W** Meridian **N.M.P.M.** County **Rio Arriba**
Location **1650** ft. **S.** of **N.** Line and **990** ft. **E.** of **W.** Line of **Section 2** Elevation **6641**
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Date **August 24, 1956** Signed **A. W. Wiederkehr** Title **Mgr., Exploration Dept.**

The summary on this page is for the condition of the well at above date.

Commenced drilling **6-16-56** 19 Finished drilling **6-22-56** 1956

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **2988** to **3036 (G)** No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
9-5/8	32.30	8	J-55	212'					Surface Prod.
5-1/2	18.75	8	J-55	14-24					
It is of the highest importance to have a complete history of the well. Please state in detail the dates of recording together with the reasons for the work and its results. If there were any changes made in the casing pipe, type and if any casing was added or removed, state the date and reason therefor.									
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8	197'	125	Ballibarton		
5-1/2	3062'	150	Ballibarton		
2-3/8	2965'				

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
Perforated 2988' to 3036' - Sand water faced perforations with 20,000 gals. water & 20,000 sand.						

TOOLS USED

Rotary tools were used from **0** feet to **3060** feet, and from _____ feet to _____ feet
Cable tools were used from **Cleaning out & fracing** feet, and from _____ feet to _____ feet

DATES

7-8- 19 **56** Put to producing _____, 19____
The production for the first 24 hours was _____ barrels of fluid of which _____ % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. _____
If gas well, cu. ft. per 24 hours **1615 MCF** Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. **1044/72 hrs.**

EMPLOYEES

Empire States Drilling Corp. _____, Driller **McKinney Drilling Co.** _____, Driller
W. K. Wilson _____, Driller **Bill Lawrence** _____, Driller
W. B. Trout _____

FORMATION RECORD **Mike Grunley**

FROM—	TO—	TOTAL FEET	FORMATION
0-	2899	2899	Sand & shale
2899	3052	153	Gala, sand & shale
3052	3060 TD	8	Sand & shale
Pictured Cliffs 2990'			
FROM—	TO—	TOTAL FEET	FORMATION

FORMATION RECORD—Continued

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

2 1017068

Date January 24, 1952
 Signed J. H. Winkelman
 Title Manager, Exploration Dept.
 The information given herewith is a complete and correct record of the well and all work done thereon
 so far as can be determined from all available records.
 Location 1650 ft. of H. line and 2200 ft. of H. line of Section 2
 Well No. 4-K Sec. 2 T. 22N R. 3E S. 14E
 Lesson of 1650 ft.
 Company Southern Union Gas Company
 Address 1001 West 8th St., Dallas, Texas
 Filed So. Blanco P.C. date
 County El Paso State Texas

Completed drilling _____ 5-12-58 To _____ Finished drilling _____ 6-22-58

OIL OR GAS SANDS OR ZONES

(D) yd zup stonmD)

No. 3, from	to	No. 3, from	to
No. 2, from	to	No. 2, from	to
No. 1, from	to	No. 1, from	to

IMPORTANT WATER BANDA

No. 8, from	to	No. 8, from	to
No. 4, from	to	No. 8, from	to

CRIMINAL RECORD

Sl. No.	Particulars	Amount	Debit	Credit	Total
1	...	...	...	...	...
2	...	...	...	...	...
3	...	...	...	...	...
4	...	...	...	...	...
5	...	...	...	...	...
6	...	...	...	...	...
7	...	...	...	...	...
8	...	...	...	...	...
9	...	...	...	...	...
10	...	...	...	...	...
11	...	...	...	...	...
12	...	...	...	...	...
13	...	...	...	...	...
14	...	...	...	...	...
15	...	...	...	...	...
16	...	...	...	...	...
17	...	...	...	...	...
18	...	...	...	...	...
19	...	...	...	...	...
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21	...	...	...	...	...
22	...	...	...	...	...
23	...	...	...	...	...
24	...	...	...	...	...
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28	...	...	...	...	...
29	...	...	...	...	...
30	...	...	...	...	...
31	...	...	...	...	...
32	...	...	...	...	...
33	...	...	...	...	...
34	...	...	...	...	...
35	...	...	...	...	...
36	...	...	...	...	...
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83	...	...	...	...	...
84	...	...	...	...	...
85	...	...	...	...	...
86	...	...	...	...	...
87	...	...	...	...	...
88	...	...	...	...	...
89	...	...	...	...	...
90	...	...	...		

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "slacked", or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If pipes or bridges were put in to rest for water, state kind of material used, position, and results of pumping or bailing.

HISTORY OF OIL OR GAS WELL

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

NUDDING AND CEMENTING RECORD

File Number	Address	Number and Street	Room Number	City and State
41-2	1000	1000	1000	1000
41-2	1000	1000	1000	1000
41-2	1000	1000	1000	1000

STEFANIA MA SPOUSE

.....			
.....			

GROUPS: 5/10012

Year	Plants used	Plants	Year	Plants used
1930	1930	1930	1930	1930

DEAD ROOT

test	of test	test has test	test	of test	test has test
test	of test	test has test	test	of test	test has test

22140

_____ to produce _____ _____ saw _____ barrels of kind of which _____	_____ _____ The production for the first 24 hours was _____
---	--

11 gas used per 24 hours for	Gallons gasoline per 1,000 cu. ft. of gas
10 water; and No sediment	Gravity, 68° F.

EMPLOYERS

Driller	Driller	Driller	Driller
Driller	Driller	Driller	Driller

INFORMATION RECORD FILE 100-368713

FORM	10 -	TOTAL FEET	FORMATION
0-0	5000	5000	Gravel & sand
100	1000	1000	Gravel, sand & silt
200	1000	1000	Gravel & silt

108-6 67110 6er1019